Message (Digitally Signed)

From: Robinson, Derek J CIV USN NAVFAC SW SAN CA (USA) [derek.j.robinson1@navy.mil]
Sent: 2/28/2020 12:55:04 AM
To: Lansdale, Lawrence L CIV USN (USA) [lawrence.lansdale@navy.mil]
CC: Ostrowski, Kimberly A CIV USN COMNAVFACENGCOM DC (USA) [kimberly.ostrowski@navy.mil]; Macchiarella, Thomas L CIV USN COMNAVFACENGCOM DC (US) [thomas.macchiarella@navy.mil]
Subject: FW: Evaluation of RGs for Buildings
Attachments: Resident_bprg_01OCT2019_All ROCs_EPA defaults_sec eq no decay.pdf; Resident_bprg_01OCT2019_Am Pu Ra Th U at 20 pct RG_adjust FQa SAa SAc_sec eq no decay.pdf; Resident_bprg_01OCT2019_Am Pu Ra Th U at RG_adjust FQa SAa SAc_sec eq no decay.pdf; Resident_bprg_01OCT2019_Co Cs Eu H Sr at 20 pct RG_adjust HL FQa SAa SAc_progeny with decay.pdf; Resident_bprg_01OCT2019_Co Cs Eu H Sr at RG_adjust HL FQa SAa SAc_progeny with decay.pdf; smime.p7s

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From: Robinson, Derek J CIV USN NAVFAC SW SAN CA (USA)
Sent: Wednesday, October 02, 2019 8:32 AM
To: 'Praskins, Wayne' <Praskins.Wayne@epa.gov>
Subject: RE: Evaluation of RGs for Buildings

Email 3 of 3. BPRG output files

From: Robinson, Derek J CIV USN NAVFAC SW SAN CA (USA)
Sent: Wednesday, October 02, 2019 8:30 AM
To: 'Praskins, Wayne' <Praskins.Wayne@epa.gov>
Subject: Evaluation of RGs for Buildings

Dear Wayne,

Please see the attached evaluation of radiological remedial goals for buildings. The PRG screening values and a comparison summary table are included in the attached Excel file.

A discussion of input parameters for RESRAD is included in Sections 3.1-3.6 of the word file, along with references. The BRPG input parameters are included in the Excel file. Where applicable, the input parameters in RESRAD-BUILD have been adjusted to be consistent with the default parameters used in both the USEPA Building Dose Compliance Concentrations for Radionuclides (BDCC) and Building Preliminary Remediation Goals for Radionuclides (BPRG) online calculators.

Even though the remedial goals for buildings were memorialized in numerous Records of Decision, the most relevant administrative record is the 2006 Action Memorandum, where the remedial goals were originally developed. A link to the action memo is located below. Please let me know if other sources of information are requested.

https://www.bracpmo.navy.mil/brac_bases/california/former_shipyard_hunters_point/documents1.html

Please click on the document titled "April 2006, Final Basewide Radiological Removal Action, Action"

Because of the numerous output files for the calculation runs using RESRAD and BPRG calculators, two emails will follow. One with the RESRAD output files and one with the BPRG output files.

I believe that this information is everything you requested as part of the consultative process. Please let me know if you have any questions.

Best Regards,

Derek J. Robinson, PE
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